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MODIFIED PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 004770.00195

First Inventor Mauri KANGAS et al.

Title TRANSMISSION OF DATA USING A DATA CAROUSEL

Express Mail Label No.

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Commissioner for Patents  
Box Patent Application  
Alexandria, VA 22313

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 24]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
  - a. ☒ Formal; or
  - b. ☐ Informal
5. Oath or Declaration [Total Pages 2]
  - a. ☒ Newly executed (original or copy); or
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations-of Non US Patents
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: TBA / \_\_\_\_\_

Prior application information: Examiner TBA

Group / Art Unit: TBA

For **CONTINUATION** or **DIVISIONAL** APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

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or ☐ Correspondence address below

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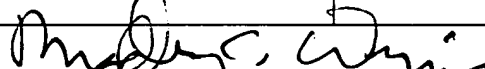
Name (Print/Type)

Bradley C. Wright

Registration No. (Attorney/Agent)

38,061

Signature



Date

March 17, 2004

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13281 U.S. PTO

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

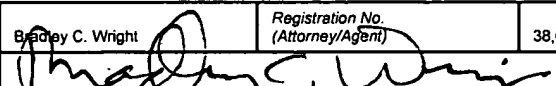
TOTAL AMOUNT OF PAYMENT (\$) 1,182.00

## Complete If Known

|                      |                     |
|----------------------|---------------------|
| Application Number   | TBD                 |
| Filing Date          | March 17, 2004      |
| First Named Inventor | Mauri KANGAS et al. |
| Examiner Name        | TBD                 |
| Art Unit             | TBD                 |
| Attorney Docket No.  | 004770.00195        |

| <b>METHOD OF PAYMENT (check all that apply)</b>   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
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| <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None Order   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <input checked="" type="checkbox"/> Deposit Account:  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Deposit Account Number  | 19-0733                |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Deposit Account Name  | Banner & Witcoff, LTD. |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| The Director is authorized to: (check all that apply)   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <b>FEE CALCULATION</b>  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <b>1. BASIC FILING FEE</b>  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <table><thead><tr><th>Large Entity</th><th>Small Entity</th></tr><tr><th>Fee Code</th><th>Fee Code</th></tr></thead><tbody><tr><td>1001 770</td><td>2001 385</td></tr><tr><td>1002 340</td><td>2002 170</td></tr><tr><td>1003 530</td><td>2003 265</td></tr><tr><td>1004 770</td><td>2004 385</td></tr><tr><td>1005 160</td><td>2005 80</td></tr></tbody></table> | Large Entity           | Small Entity | Fee Code | Fee Code | 1001 770 | 2001 385 | 1002 340 | 2002 170 | 1003 530 | 2003 265 | 1004 770 | 2004 385 | 1005 160 | 2005 80 | <table><thead><tr><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Utility filing fee</td><td>770.</td></tr><tr><td>Design filing fee</td><td></td></tr><tr><td>Plant filing fee</td><td></td></tr><tr><td>Reissue filing fee</td><td></td></tr><tr><td>Provisional filing fee</td><td></td></tr><tr><td colspan="2">SUBTOTAL (1) (\$770.)</td></tr></tbody></table>   | Fee Description | Fee Paid | Utility filing fee     | 770. | Design filing fee                 |  | Plant filing fee                      |  | Reissue filing fee                                 |  | Provisional filing fee                                     |  | SUBTOTAL (1) (\$770.)  |  |
| Large Entity  | Small Entity           |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Fee Code  | Fee Code               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1001 770  | 2001 385               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1002 340  | 2002 170               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1003 530  | 2003 265               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1004 770  | 2004 385               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1005 160  | 2005 80                |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Fee Description   | Fee Paid               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Utility filing fee  | 770.                   |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Design filing fee   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Plant filing fee  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Reissue filing fee  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Provisional filing fee  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| SUBTOTAL (1) (\$770.)   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b>  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Total Claims 47 -20* = 27 X 9 = 243.  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Independent Claims 6 -3** = 3 X 43 = 129.   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Multiple Dependent X = 0  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| <table><thead><tr><th>Large Entity</th><th>Small Entity</th></tr><tr><th>Fee Code</th><th>Fee Code</th></tr></thead><tbody><tr><td>1202 18</td><td>2202 9</td></tr><tr><td>1201 86</td><td>2201 43</td></tr><tr><td>1203 290</td><td>2203 145</td></tr><tr><td>1204 86</td><td>2204 43</td></tr><tr><td>1205 18</td><td>2205 9</td></tr></tbody></table>          | Large Entity           | Small Entity | Fee Code | Fee Code | 1202 18  | 2202 9   | 1201 86  | 2201 43  | 1203 290 | 2203 145 | 1204 86  | 2204 43  | 1205 18  | 2205 9  | <table><thead><tr><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Claims in excess of 20</td><td></td></tr><tr><td>Independent claims in excess of 3</td><td></td></tr><tr><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="2">SUBTOTAL (2) (\$1142.)</td></tr></tbody></table> | Fee Description | Fee Paid | Claims in excess of 20 |      | Independent claims in excess of 3 |  | Multiple dependent claim, if not paid |  | ** Reissue independent claims over original patent |  | ** Reissue claims in excess of 20 and over original patent |  | SUBTOTAL (2) (\$1142.) |  |
| Large Entity  | Small Entity           |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Fee Code  | Fee Code               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1202 18   | 2202 9                 |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1201 86   | 2201 43                |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1203 290  | 2203 145               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1204 86   | 2204 43                |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| 1205 18   | 2205 9                 |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Fee Description   | Fee Paid               |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Claims in excess of 20  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Independent claims in excess of 3   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| Multiple dependent claim, if not paid   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| ** Reissue independent claims over original patent  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| ** Reissue claims in excess of 20 and over original patent  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| SUBTOTAL (2) (\$1142.)  |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |
| *or number previously paid, if greater; For Reissues, see above   |                        |              |          |          |          |          |          |          |          |          |          |          |          |         |  |                 |          |                        |      |                                   |  |                                       |  |  |  |  |  |                        |  |

|  |              |
|--|--------------|
| <b>3. ADDITIONAL FEES</b>  |              |
| Large Entity   | Small Entity |
| Fee Code   | Fee Code     |
| 1051 130   | 2051 65      |
| 1052 50  | 2052 25      |
| 1053 130   | 1053 130     |
| 1812 2,520   | 1812 2,520   |
| 1804 920*  | 1804 920*    |
| 1805 1,840*  | 1805 1,840*  |
| 1251 110   | 2251 55      |
| 1252 420   | 2252 210     |
| 1253 950   | 2253 475     |
| 1254 1,480   | 2254 740     |
| 1255 2,010   | 2255 1,005   |
| 1401 330   | 2401 165     |
| 1402 330   | 2402 165     |
| 1403 290   | 2403 145     |
| 1451 1,510   | 1451 1,510   |
| 1452 110   | 2452 55      |
| 1453 1,330   | 2453 665     |
| 1501 1,330   | 2501 665     |
| 1502 480   | 2502 240     |
| 1503 640   | 2503 320     |
| 1460 130   | 1460 130     |
| 1807 50  | 1807 50      |
| 1806 180   | 1806 180     |
| 8021 40  | 8021 40      |
| 1809 770   | 2809 385     |
| 1810 770   | 2810 385     |
| 1801 770   | 2801 385     |
| 1802 900   | 1802 900     |
| Fee Description  |              |
| Surcharge - late filing fee or oath  |              |
| Surcharge - late provisional filing fee or cover sheet.                    |              |
| Non-English specification  |              |
| For filing a request for reexamination                                     |              |
| Requesting publication of SIR prior to Examiner action                     |              |
| Requesting publication of SIR after Examiner action                        |              |
| Extension for reply within first month                                     |              |
| Extension for reply within second month                                    |              |
| Extension for reply within third month                                     |              |
| Extension for reply within fourth month                                    |              |
| Extension for reply within fifth month                                     |              |
| Notice of Appeal   |              |
| Filing a brief in support of an appeal                                     |              |
| Request for oral hearing   |              |
| Petition to institute a public use proceeding                              |              |
| Petition to revive - unavoidable   |              |
| Petition to revive - unintentional   |              |
| Utility issue fee (or reissue)   |              |
| Design issue fee   |              |
| Plant issue fee  |              |
| Petitions to the Commissioner  |              |
| Processing fee under 37 CFR 1.17 (q)                                       |              |
| Submission of Information Disclosure Stmt                                  |              |
| Recording each patent assignment per property (times number of properties) |              |
| Filing a submission after final rejection (37 CFR § 1.129(a))              |              |
| For each additional invention to be examined (37 CFR § 1.129(b))           |              |
| Request for Continued Examination (RCE)                                    |              |
| Request for expedited examination of a design application                  |              |
| Other fee (specify)  |              |
| *Reduced by Basic Filing Fee Paid  |              |
| SUBTOTAL (3) (\$40.)   |              |

|                     |   |                                   |                |
|---------------------|---|-----------------------------------|----------------|
| <b>SUBMITTED BY</b> |   | <b>Complete (if applicable)</b>   |                |
| Name (Print/Type)   | Bradley C. Wright   | Registration No. (Attorney/Agent) | 38,061         |
| Signature           |  | Telephone                         | 202-824-3000   |
|                     |   | Date                              | March 17, 2004 |

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